

Success **STORIES**

Army HSMS Program

PineBluff Arsenal, Arkansas Hazardous Materials Control Center



In 1994, Pine Bluff Arsenal implemented the Hazardous Substance Management System (HSMS) to support the "cradle to grave" management of hazardous materials. The installation commander appointed an Environmental Control Center process action team, which brought experts from logistics, procurement, environment, safety, industrial hygiene and other areas under one organizational roof to form the Hazardous Materials Control Center (HMCC).

Setting **Goals**

Pine Bluff Arsenal set five major goals for its HMCC:

- ▲ Centrally manage hazardous materials
- ▲ Review and authorize all purchases of hazardous material
- ▲ Track hazardous constituents from requisition to disposal
- ▲ Issue hazardous material quantities as needed
- ▲ Recycle and reissue hazardous materials

Success

Successes of the HMCC since HSMS implementation include:

- ▲ Redistribution of more than 800 gallons of paint thinner and 100-plus gallons of sodium hypochlorite slated for disposal
- ▲ Reduced hazmat stockage levels through as-needed purchase
- ▲ Waste reduction through shelf-life management



- ▲ Reduction in number of compressed gas cylinders from over 1,082 to 450, and a decrease in monthly rental costs from \$4,400 to just over \$200
- ▲ An enhanced recycling program that avoided more than \$96,000 in landfill costs and generated \$48,000 in revenue

Active**Recycling**

Pine Bluff's recycling program has processed:

- ▲ More than 4 tons of aluminum cans
- ▲ 395 tons of cardboard
- ▲ 13.88 tons of newsprint
- ▲ 20 tons of office paper
- ▲ 60 tons of white paper
- ▲ 1 ton of pressed board
- ▲ 183 tons of railroad cross ties

Stronger**Stock**

The Arsenal's Industrial Stock Program has been a great success. Among its accomplishments, the program expensed approximately \$2.3 million for inert and chemical disposal and disposition; dispositioned more than 150,000 pounds of excess chemical and; disposed of more than 15,000 pounds of red phosphorus.

Creating**Opportunities**

The HMCC and HSMS software have allowed Pine Bluff Arsenal to identify a variety of pollution prevention opportunities; maintain total asset visibility over hazardous materials; manage hazardous materials and waste from cradle to grave; control the use of hazardous materials; promote the safe and responsible handling, transportation and use of hazardous materials; and enhance the ability of personnel to control and manage hazardous materials and wastes.

FOR **more**
Information

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